## AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application.

## **Listing of Claims**

- 1. (Currently Amended) A signal timing adjustment device, comprising:
- a voltage generating section for generating a plurality of adjustment voltages;
- a voltage selecting section for selecting, from the plurality of adjustment voltages, an adjustment voltage for each of a plurality of circuit blocks in an integrated circuit that is in accordance with a delay-time adjustment amount, which is set so that delay time of each circuit block in—an the integrated circuit becomes closer to an average value of the delay time of all of the plurality of circuit blocks, the delay time being time between an input of data to—the a circuit block and an output of the data from the circuit block; and
- a delay-adjustment section for increasing or decreasing the delay time of each circuit block by using -a transistor transistors at which-a threshold-voltage changes in accordance with -a value values of the adjustment-voltage voltages selected.
- 2. (Previously Presented) The signal timing adjustment device as set forth in claim 1, further comprising:
  - a delay measurement section for measuring the delay time.

- 3. (Currently Amended) A signal timing adjustment device, comprising:
- a voltage generating section for generating a plurality of adjustment voltages;

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- a voltage selecting section for selecting, from the plurality of adjustment voltages, an adjustment voltage for each of a plurality of circuit blocks in an integrated circuit that is in accordance with a delay-time adjustment amount, which is set so that delay time of each circuit block in-an the integrated circuit becomes closer to an average value of the delay time of all of the plurality of circuit blocks, the delay time being time between an input of data to-the a circuit block and an output of the data from the circuit block;
- a delay-adjustment section for increasing or decreasing the delay time of each circuit block by using -a transistor transistors at which-a threshold-voltage changes voltages change in accordance with -a value values of the adjustment-voltage voltages selected; and
  - a delay measurement section for measuring the delay time, wherein:
  - the delay measurement section includes
- a pulse generating section for generating a pulse in synchronization with a high-speed clock, and shifting a generation timing of the pulse in an increment of one clock of the highspeed clock;
- a latch that acquires and holds, in synchronization with a low-speed clock, data supplied from the circuit block; and
- a register that acquires and holds, in synchronization with the pulse, the data supplied from the circuit block.

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4. (Original) The signal timing adjustment device as set forth in claim 1, wherein:

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a well of the transistor is separated from a well of another circuit that is formed on a same substrate; and

the adjustment voltage selected is applied to the well of the transistor.

5. (Original) The signal timing adjustment device as set forth in claim 1, the signal timing adjustment device being contained in the integrated circuit.

6. (Previously Presented) The signal timing adjustment device as set forth in claim 5, further comprising:

a fixing section for fixing the delay-time adjustment amount.

7. (Currently Amended) A signal timing adjustment system, comprising:

a signal timing adjustment device, including

a voltage generating section for generating a plurality of adjustment voltages;

a voltage selecting section for selecting, from the plurality of adjustment voltages, an adjustment voltage for each of a plurality of circuit blocks in an integrated circuit that is in accordance with a delay-time adjustment amount, which is set so that delay time of each circuit block in-an the integrated circuit becomes closer to an average value of the delay time of all of the plurality of <u>circuit blocks</u>, the delay time being time between an input of data to the <u>a</u> circuit block and an output of the data from the circuit block; and

a delay-adjustment section for increasing or decreasing the delay time of each circuit block by using a transistor transistor at which a threshold voltage changes voltages change in accordance with a value values of the adjustment voltage voltages selected;

a delay measurement section for measuring the delay time;

an average value calculating section for calculating the average value of the delay time, the delay time having been measured by the delay measurement section; and

an adjustment amount setting section for setting the delay-time adjustment amount so that a difference between the delay time and the average value becomes smaller, the average value having been calculated by the average value calculating section.

Claim 8 (Canceled)

9. (Currently Amended) A computer readable storage medium storing a signal timing adjustment amount setting program for a signal timing adjustment system including

a signal timing adjustment section, including (i) a voltage generating section for generating a plurality of adjustment voltages, (ii) a voltage selecting section for selecting, from the plurality of adjustment voltages, an adjustment voltage that is in accordance with a delay time adjustment amount, which is set so that delay time of each circuit block in an integrated circuit becomes closer to an average value of the delay time, the delay time being time between

an input of data to the circuit block and an output of the data from the circuit block, and (iii) a delay adjustment section for increasing or decreasing the delay time by using a transistor at which a threshold voltage changes in accordance with a value of the adjustment voltage selected;

a delay measurement section for measuring the delay time;

an average value calculating section for calculating the average value of the delay time; the delay time having been measured by the delay measurement section; and

an adjustment amount setting section for setting the delay-time adjustment amount so that a difference between the delay time and the average value becomes smaller, the average value having been calculated by the average value calculating section,

the signal timing adjustment amount setting program causing a computer to function as the average value calculating section and the adjustment amount setting section A computer program product comprising a computer readable storage medium, having encoded thereon computer readable program instructions executable by computer that cause the computer to adjust signal timing for a plurality of circuit blocks of an integrated circuit by directing performing the steps of:

measuring a delay time between an input of data to each circuit block and an output of the data from said each circuit block;

determining an average value of the delay time of all of the plurality of circuit blocks;

generating a plurality of adjustment voltages for increasing or decreasing the delay time

of each circuit block by changing threshold voltages of transistors;

setting a delay-time adjustment amount so that a difference between the delay time of each circuit block and the average value becomes smaller; and

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selecting, from the plurality of adjustment voltages, an adjustment voltage that is in accordance with the delay-time adjustment amount.

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